

FIG. 2

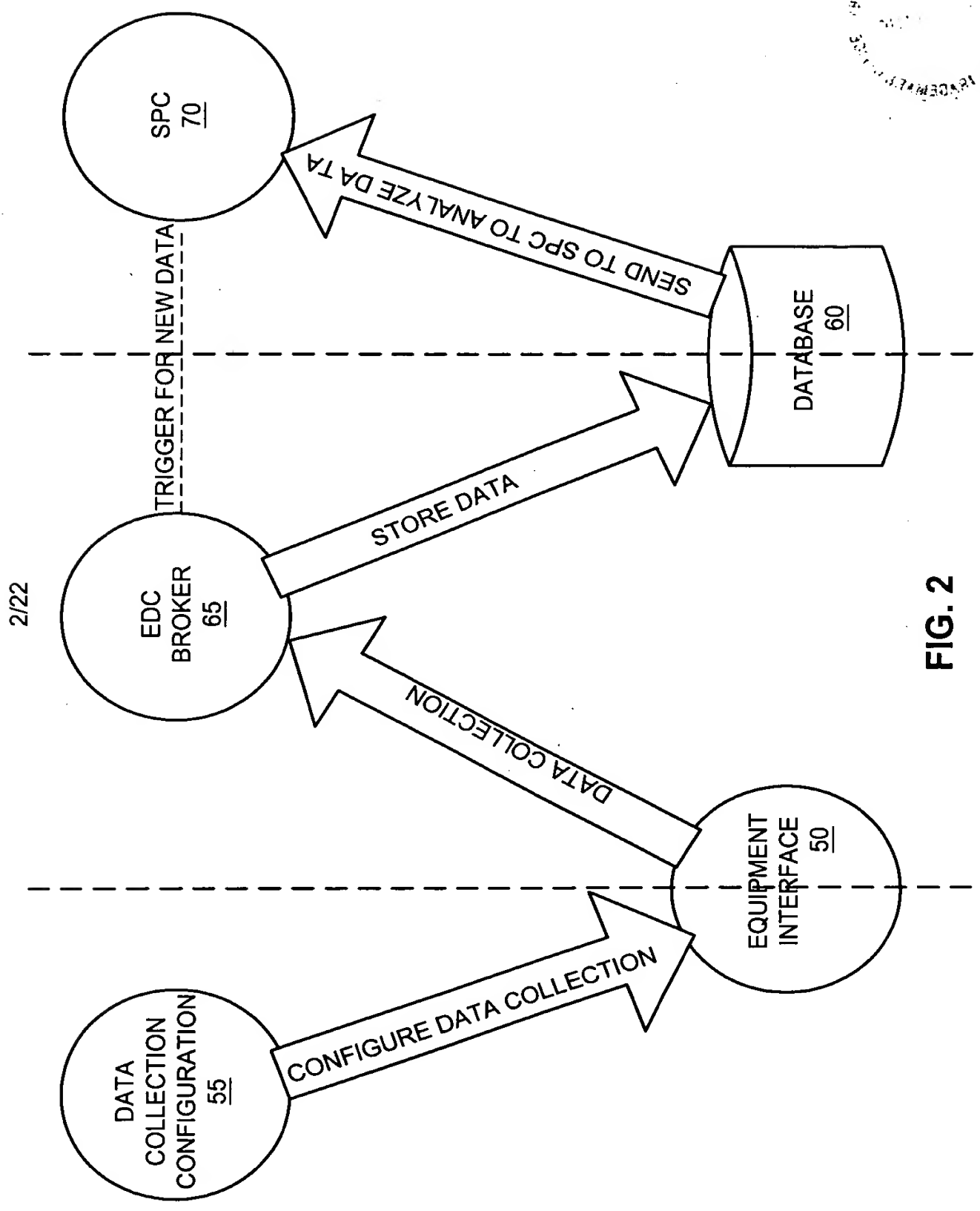
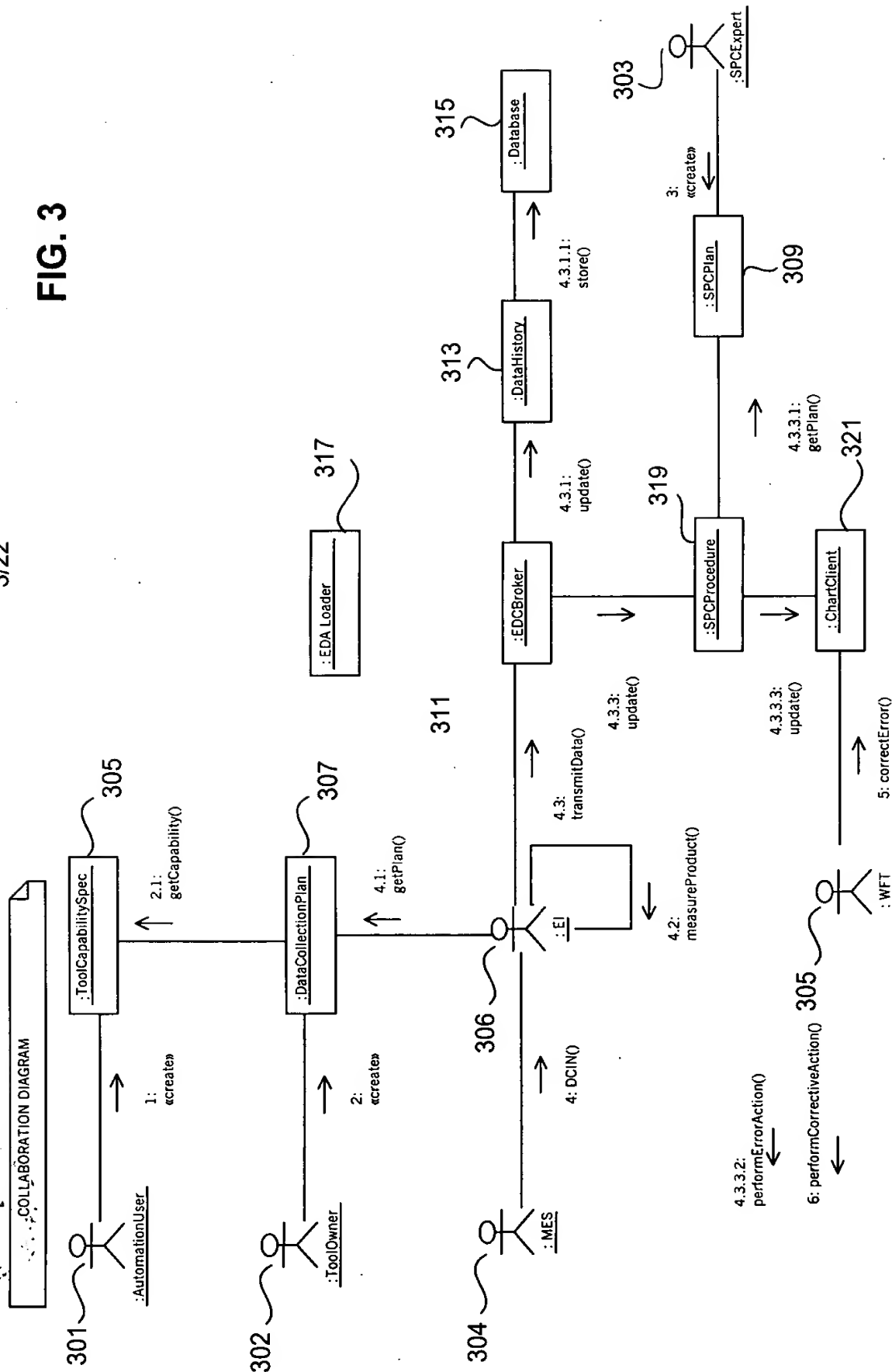


FIG. 2



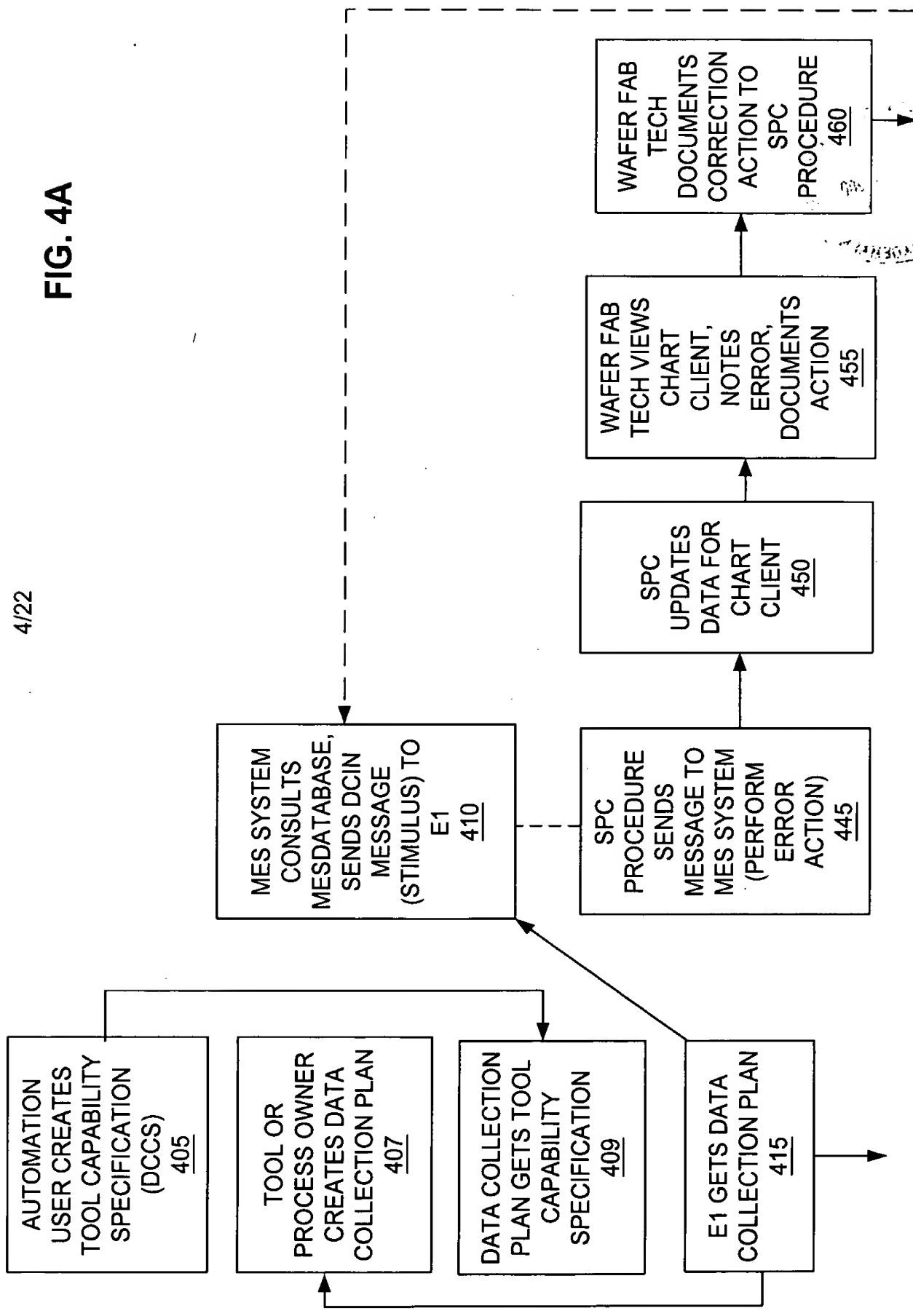
3/22

FIG. 3



4/22

FIG. 4A



104101-02250660

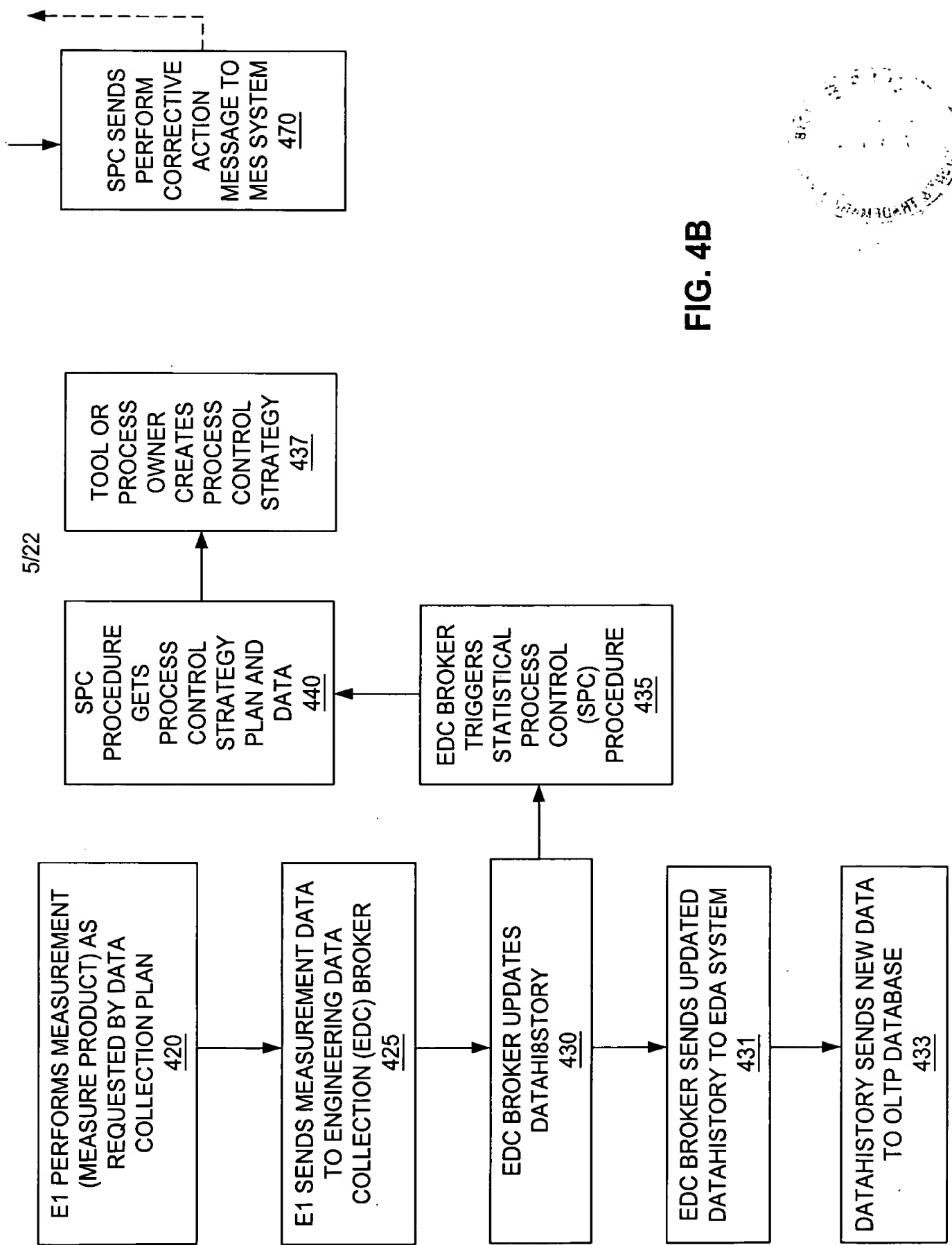
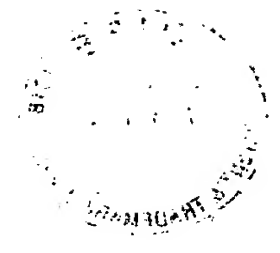
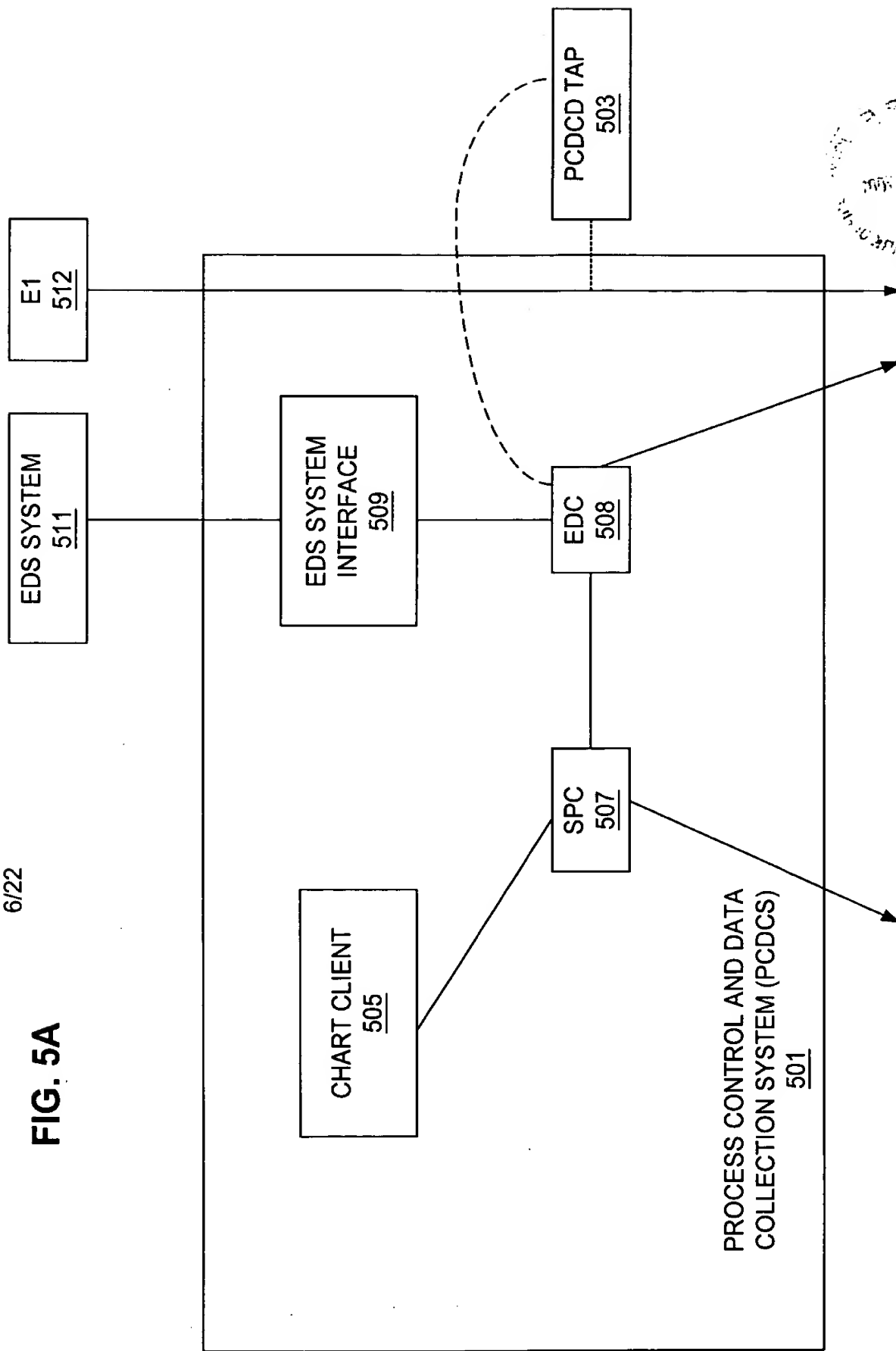


FIG. 4B



6/22

FIG. 5A



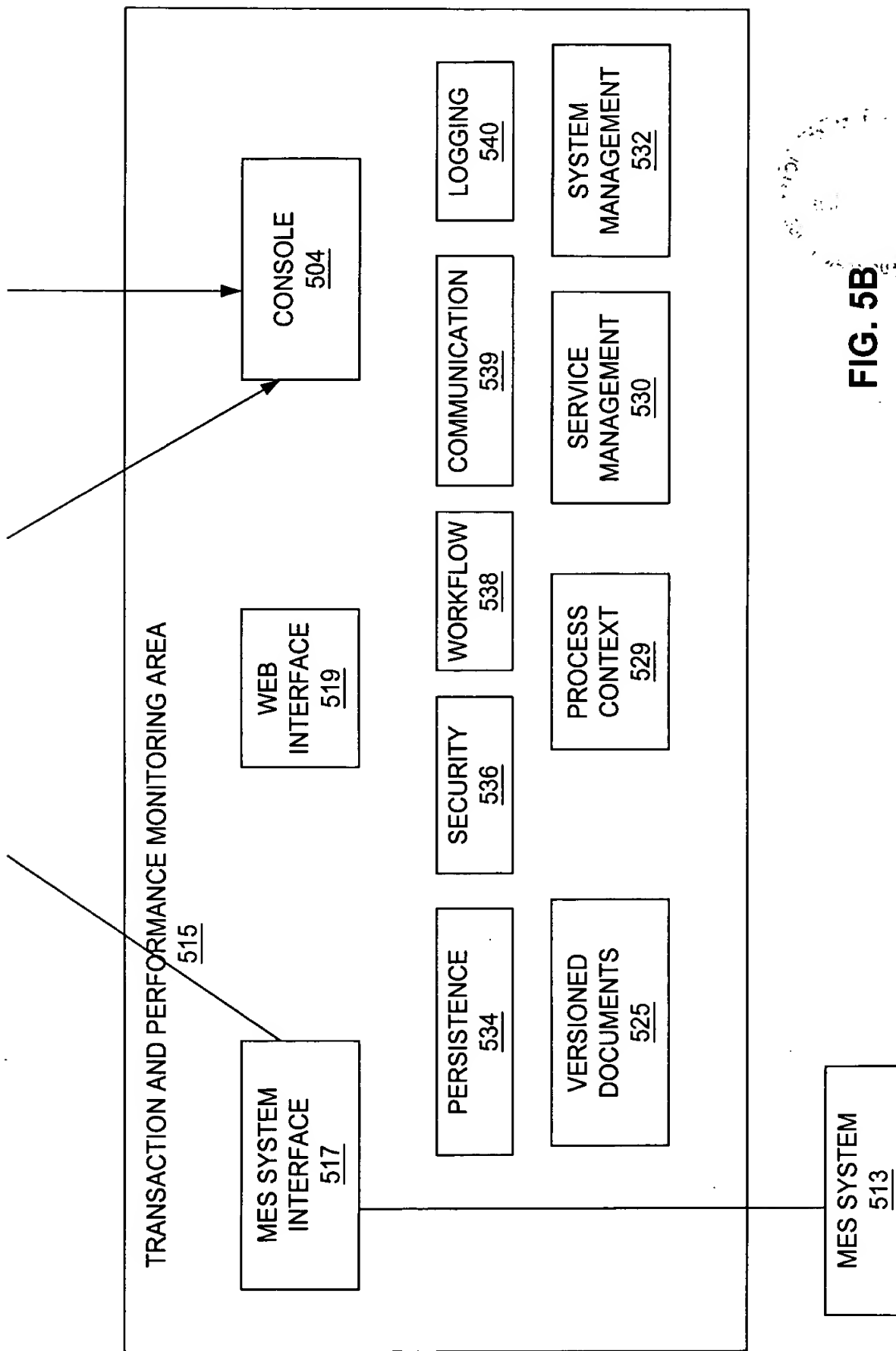


FIG. 5B

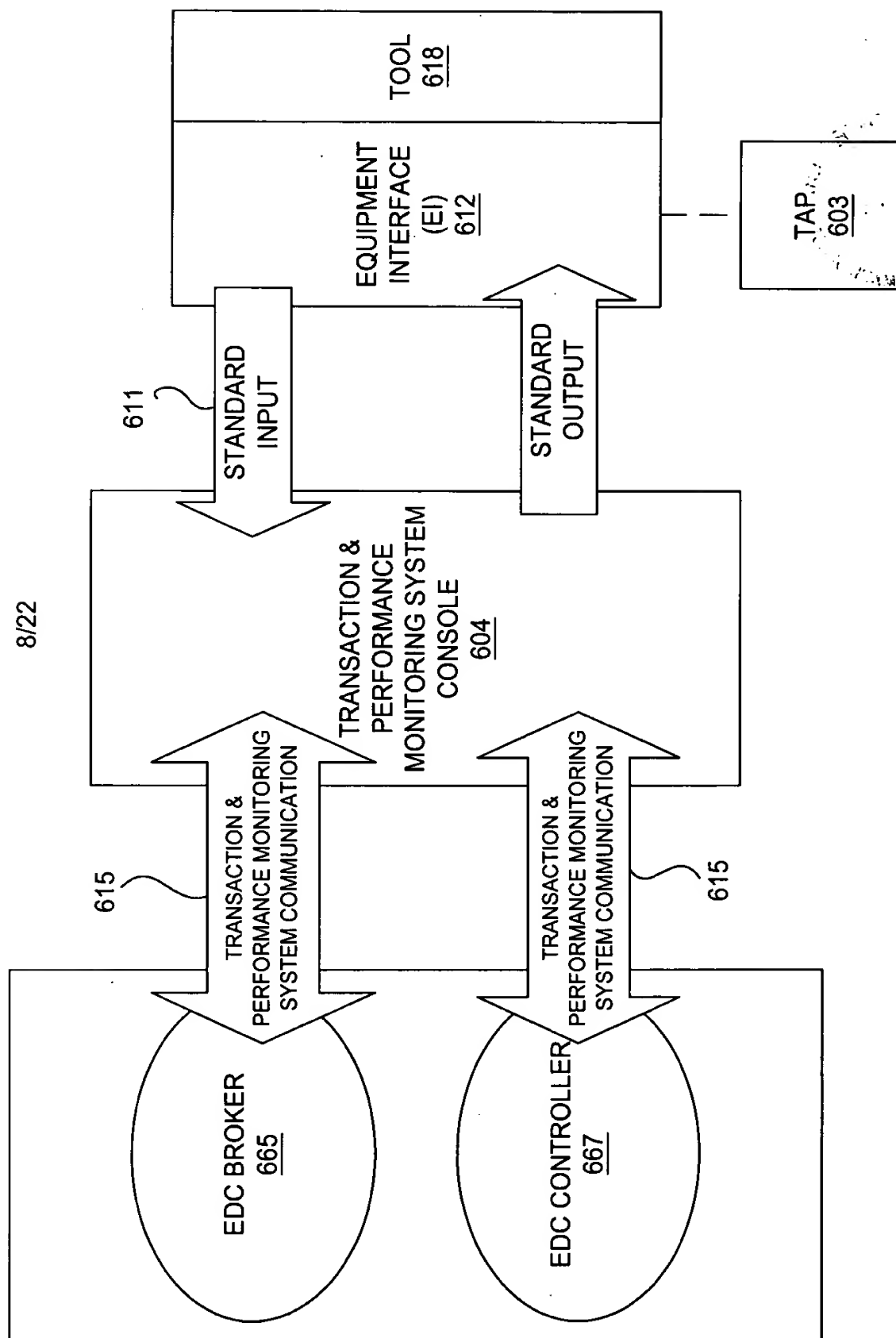


FIG. 6

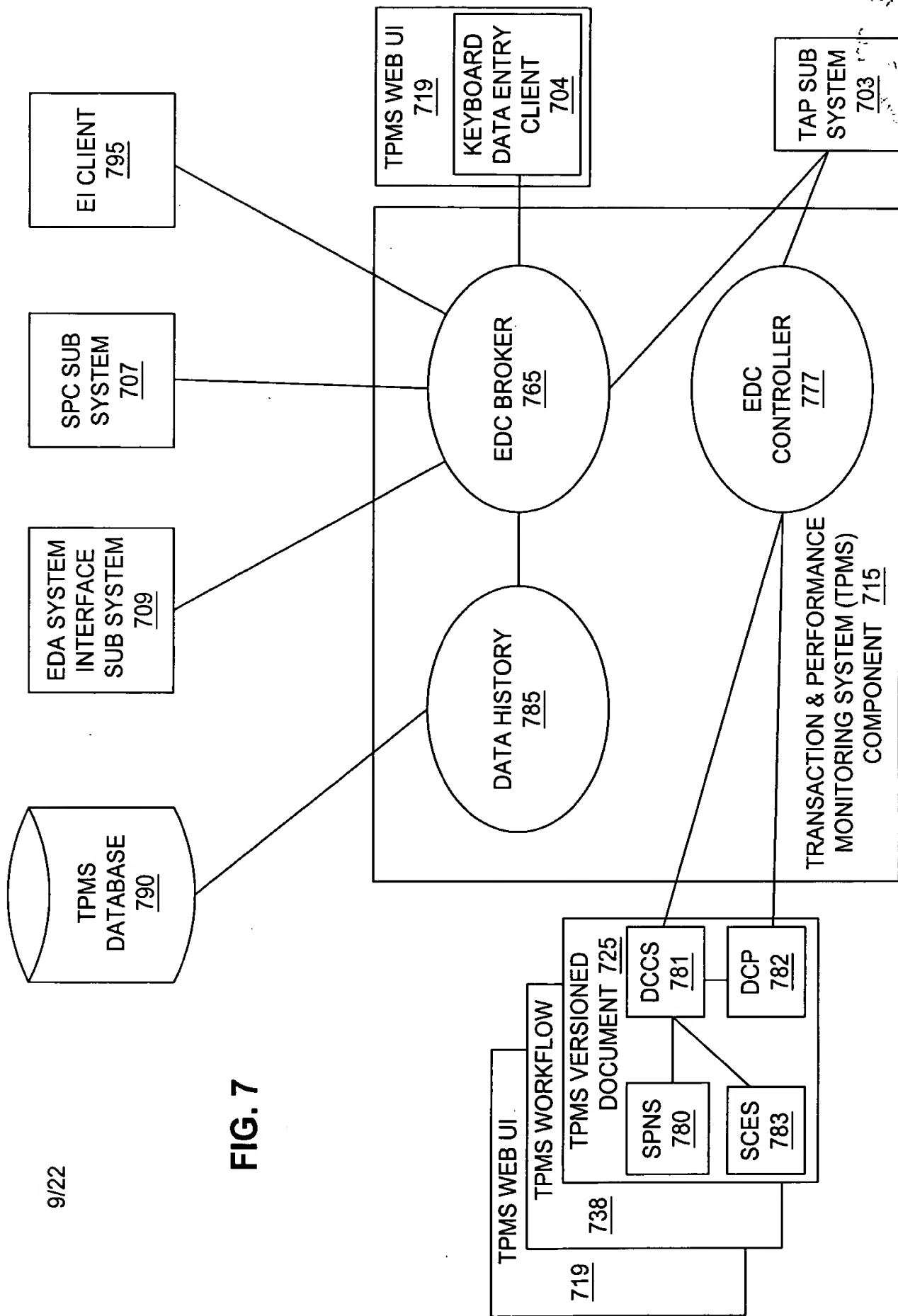


FIG. 7

10/22

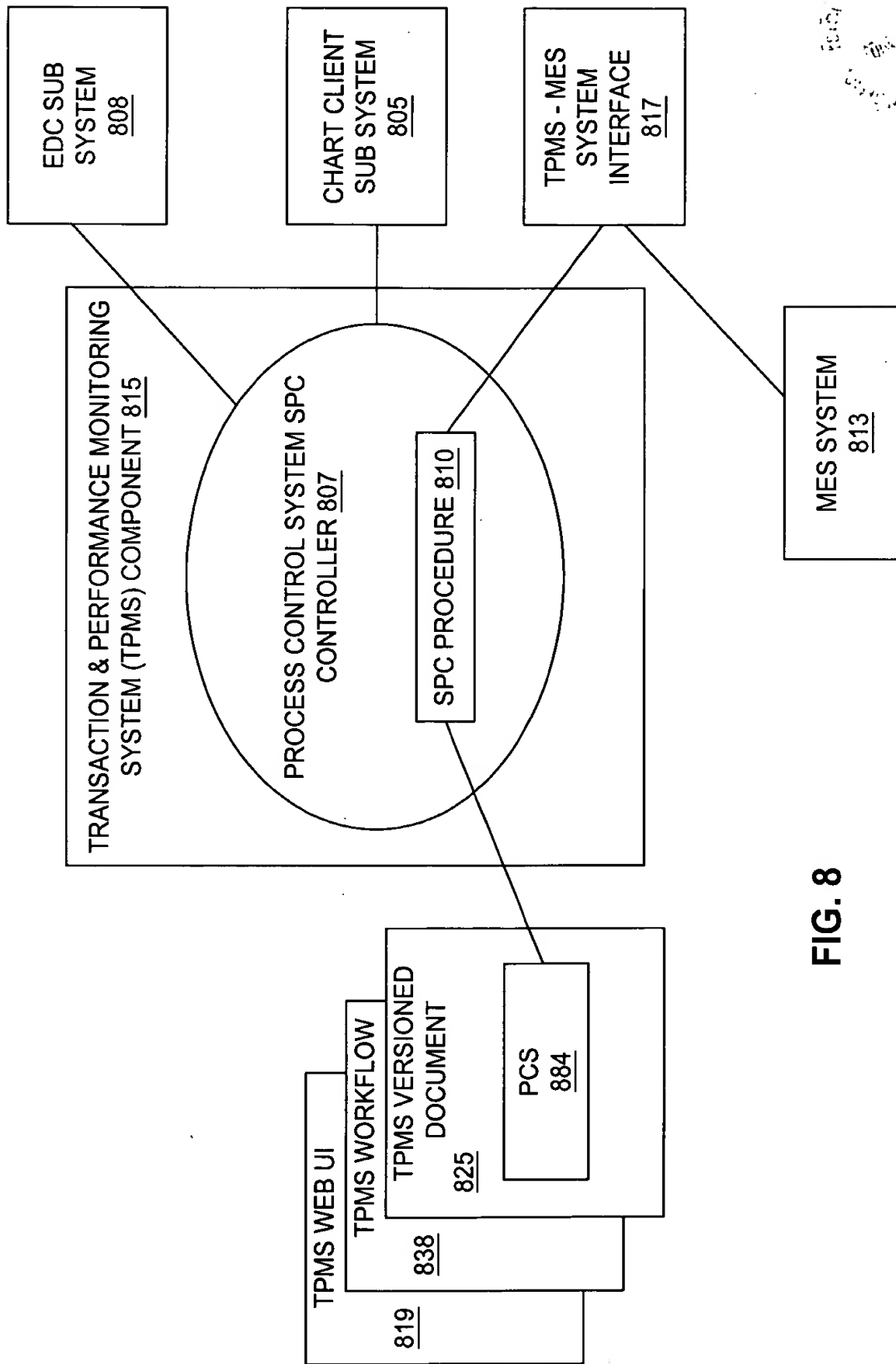


FIG. 8

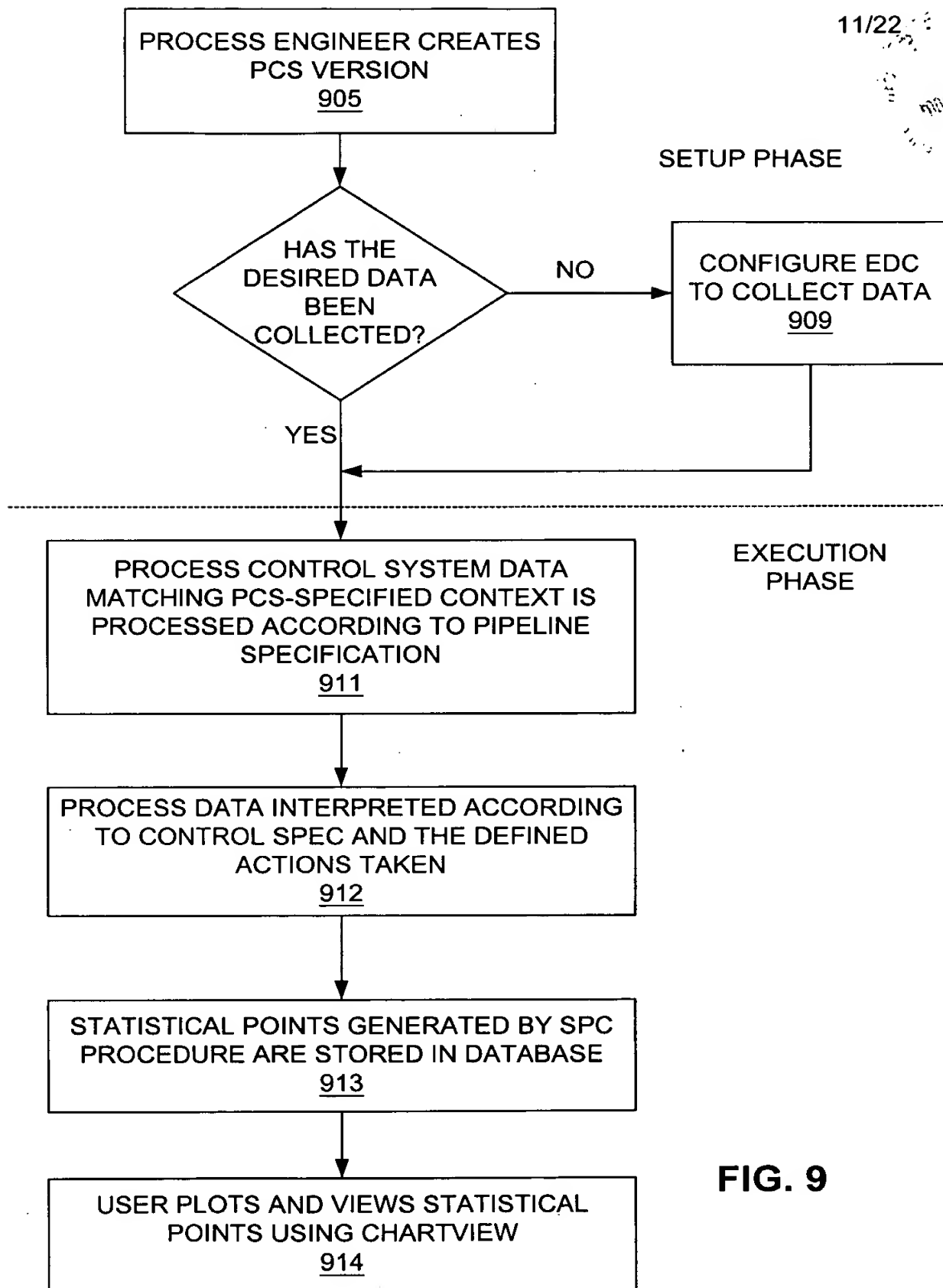


FIG. 9

00005220-101201

12/22

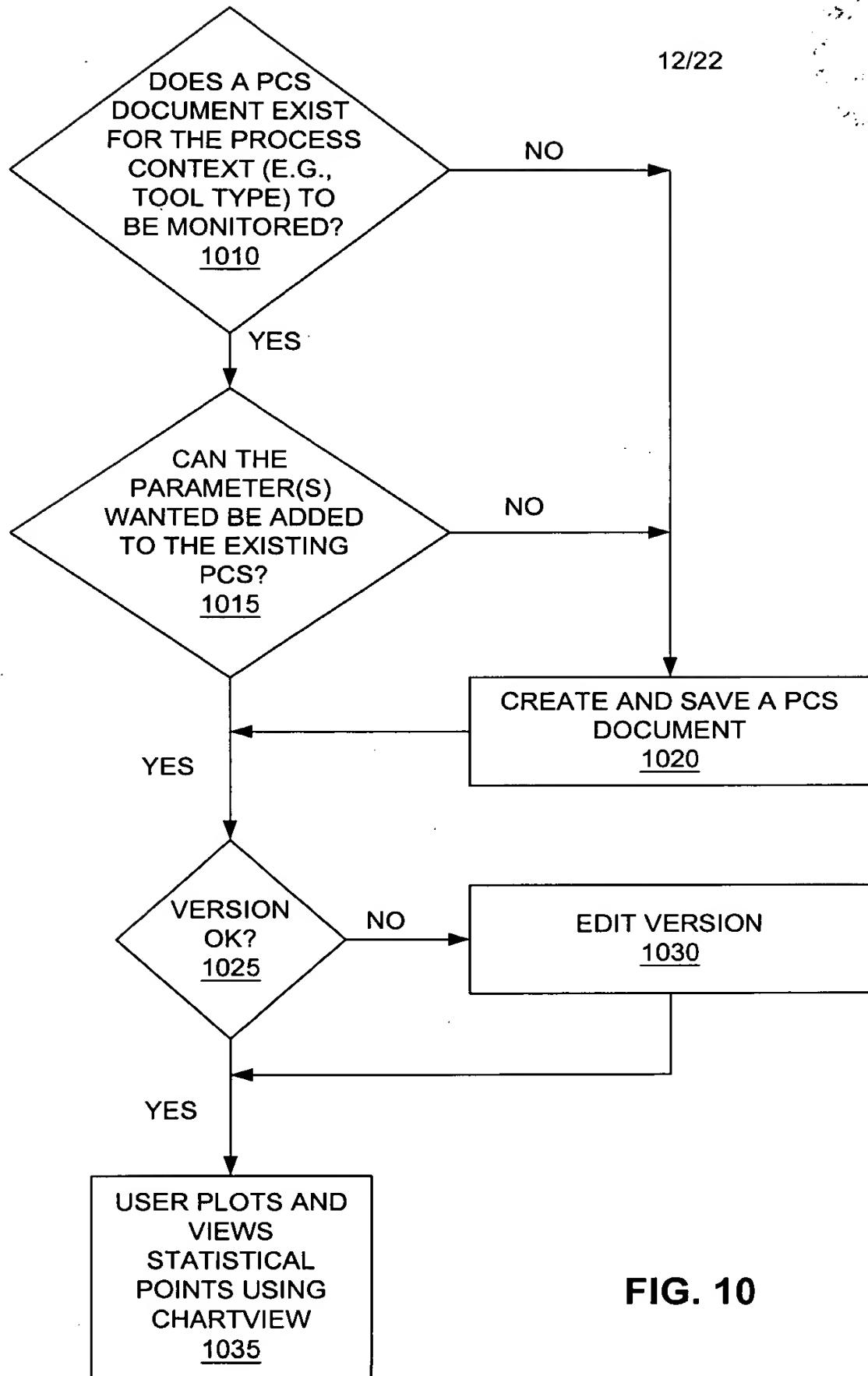


FIG. 10

13/22

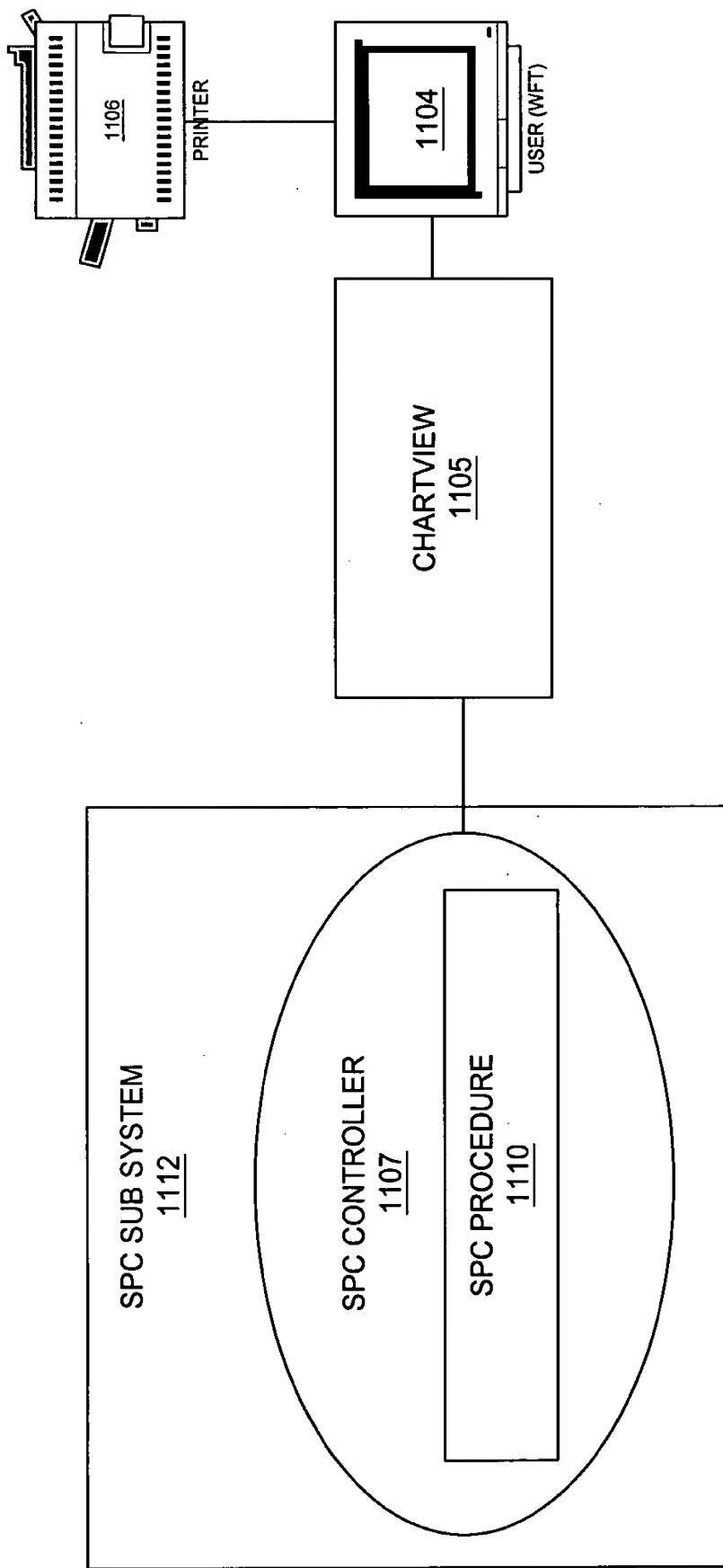


FIG. 11



14/22

1200

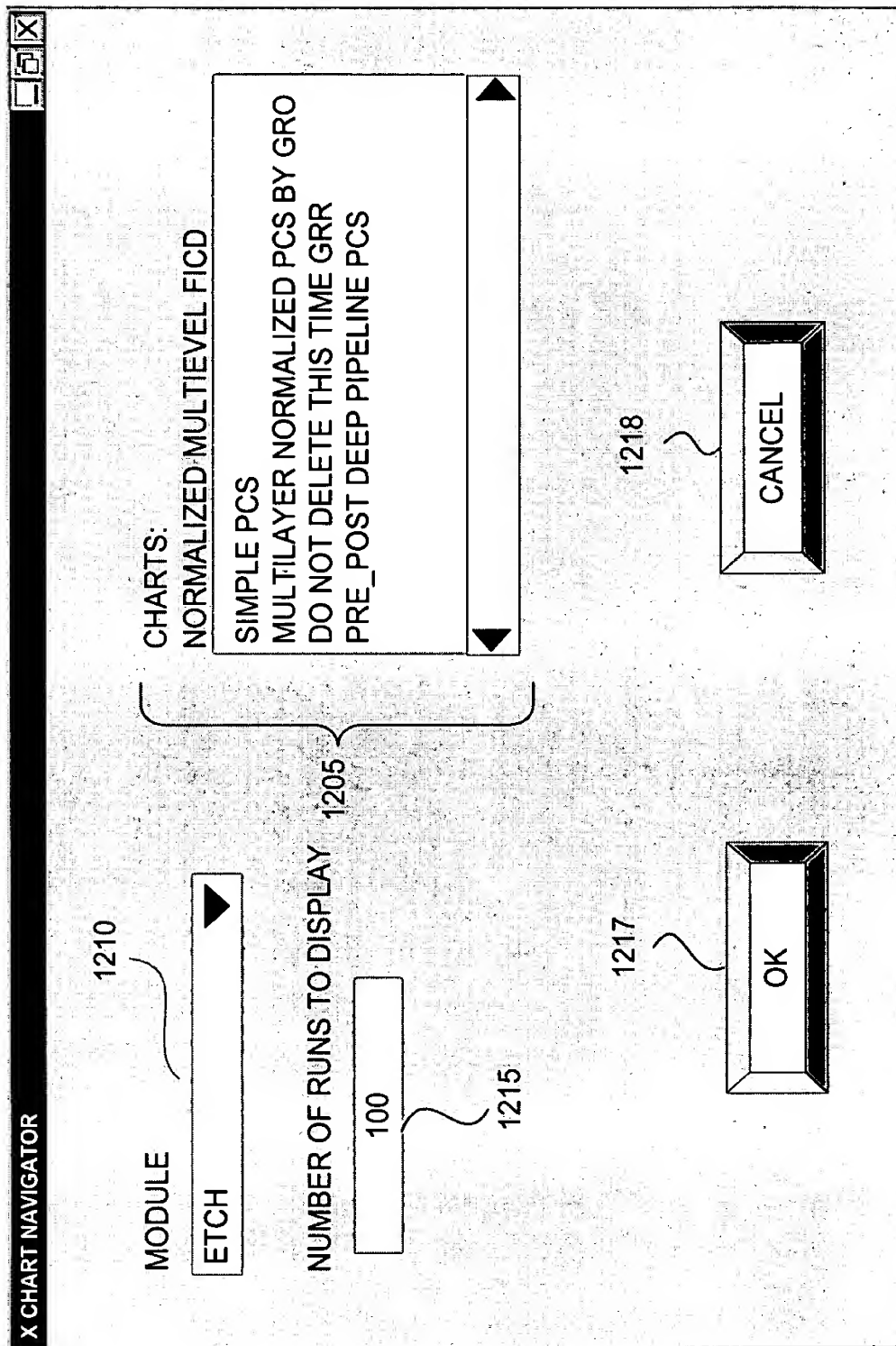


FIG. 12

FIG. 13

1300

15/22

1310

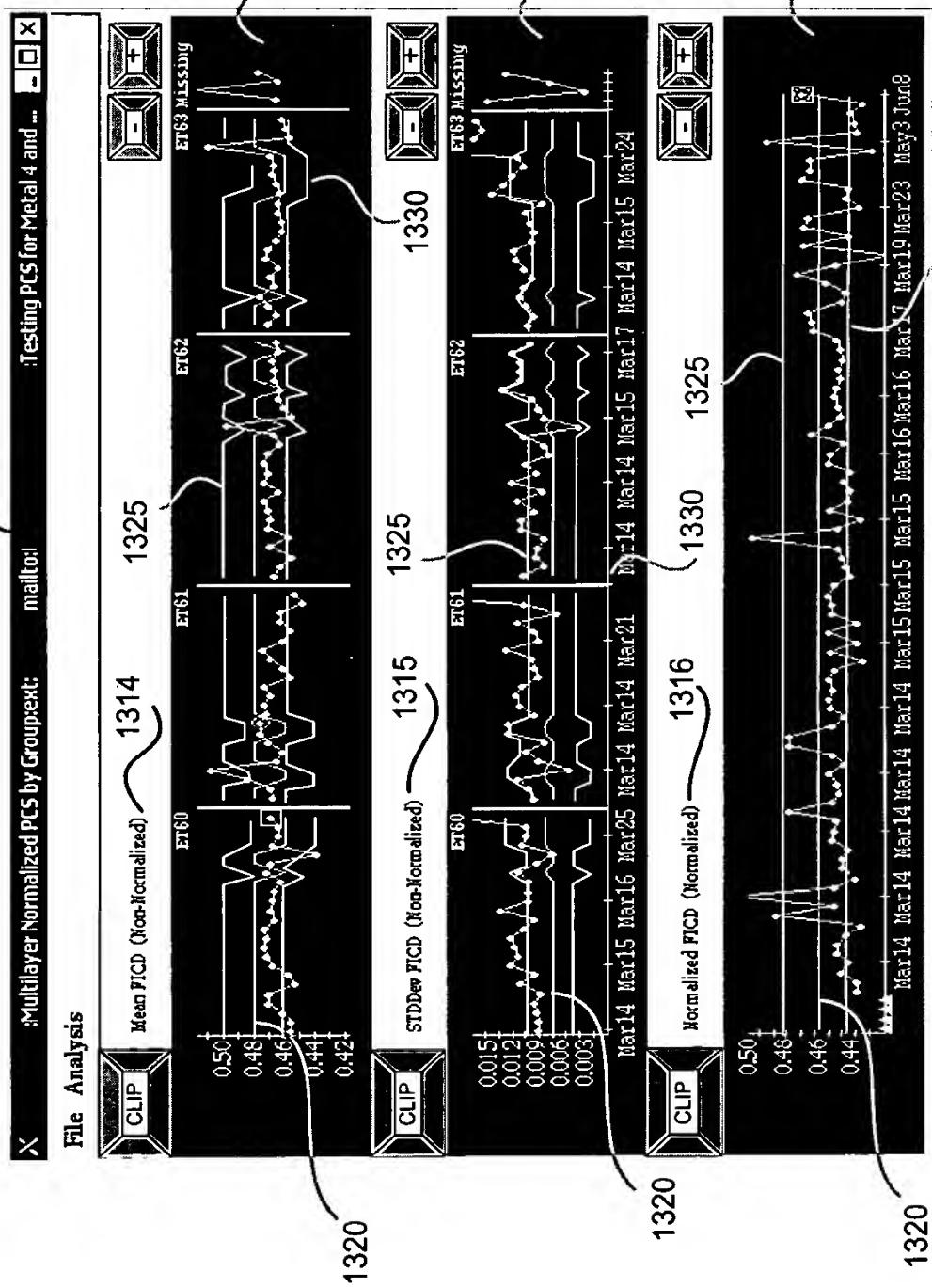


FIG. 13

16/22



NORMALIZE X WITH ITS OWN
MEAN, A, AND STANDARD
DEVIATION, B
1410

LET Z BE ANOTHER RANDOM
VARIABLE WITH ITS OWN MEAN, C,
AND STANDARD DEVIATION, B
(TARGET RECIPE)
1420

APPLY TRANSFORM
 $Y = [(X-A)/B] D+C$
1430

DENORMALIZE X USING MEAN AND
STANDARD DEVIATION OF Z
(TARGET RECIPE)
1440

PLOT Y AND Z TOGETHER WITH
CHART CLIENT
1450

FIG. 14

0960208

17/22



FIG. 15



18/22

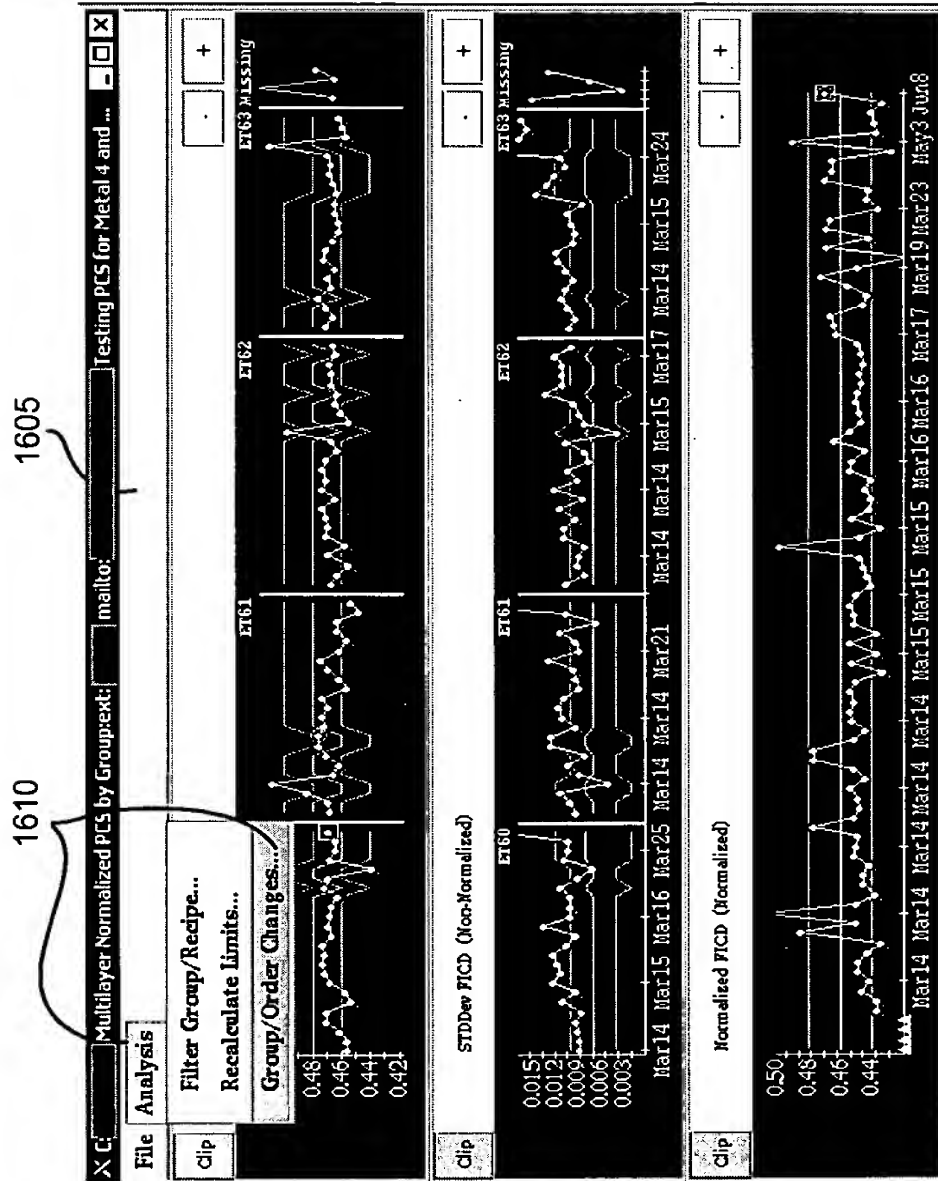
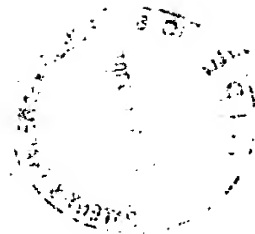


FIG. 16



19/22

X ALTER GROUPING, ORDERING

1705 STATISTIC

1706 MEAN FICD

1707 STDDEV FICD

1708 NORMALIZED FICD

LINKED

☒

☒

☒

1710

GROUP BY

PROCESS TOOL

PROCESS TOOL

NONE

ORDER BY

PROCESS TIME

PROCESS TIME

PROCESS TIME

GO

CANCEL

1725

1730

1715

1720

FIG. 17



FIG. 18

20/22

X GRAPHPOINT DETAIL WINDOW

GENERAL INFORMATION

SCF

GENERAL

VALUE: 0.52400
UCL: 0.5
TARGET: 0.48
LCL: 0.46
PCS RECIPE: METAL 5
RUNLD: 106537
OOC VIOLATION: ONE OUT ABOVE [WE CONTROL RULES]

ATTRIBUTES	VALUE
LOT	J105M20
OPERATION	9110
PRODUCT	6308AC
MEASUREMENT TIME	2001-04-25 13:32:04
OPAL	C012
BATCH	

OUT-OF-CONTROL ACTIONS

ACTION	CORRECT	MESSAGE
SHUTDOWN TOOL	BRING BACK TOOL	
HOLD LOT	RELEASE LOT	
EMAIL		

ANNOTATION HISTORY

TIME	CREATOR	ANNOTATION

DONE

ADD

FIG. 18



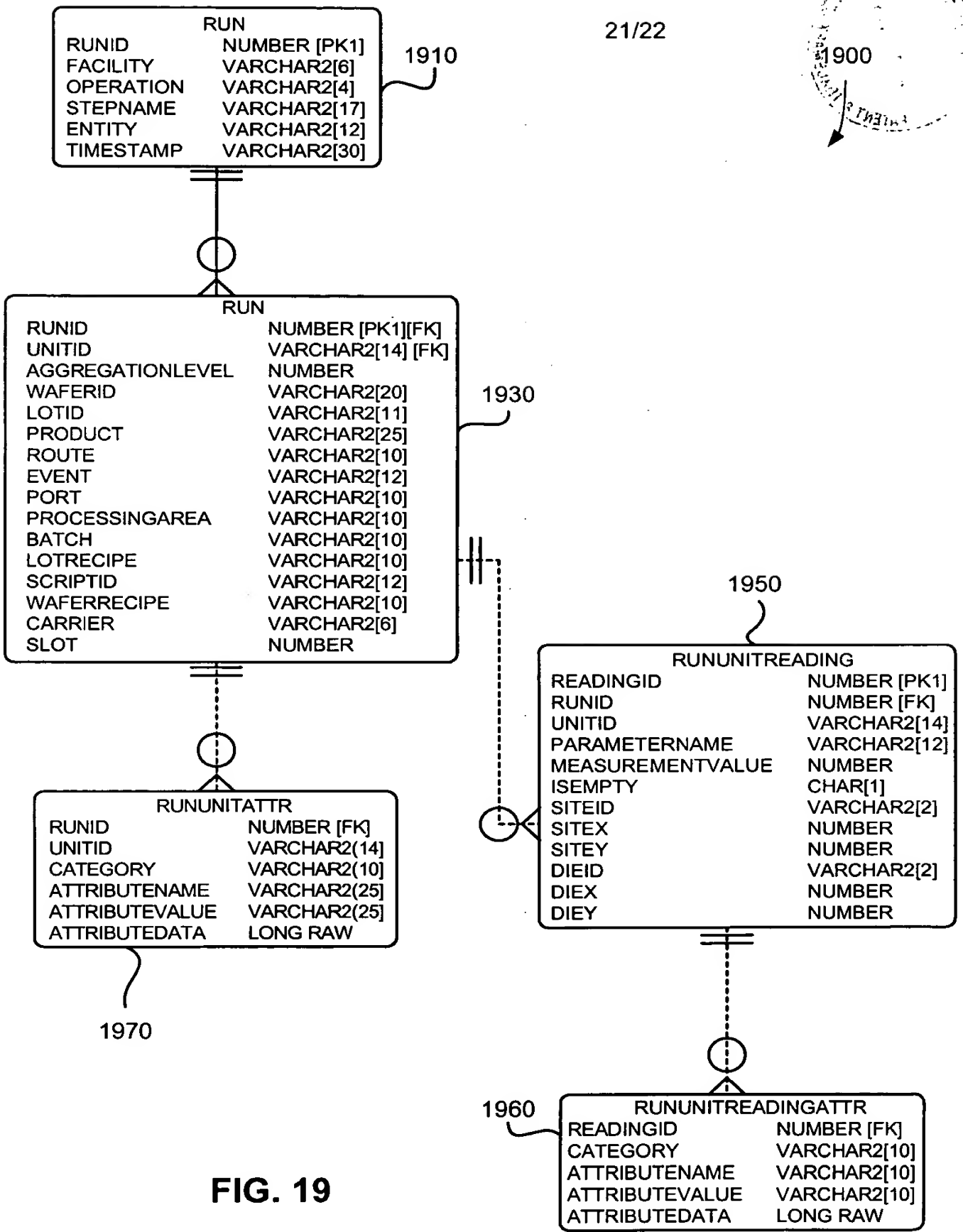


FIG. 19

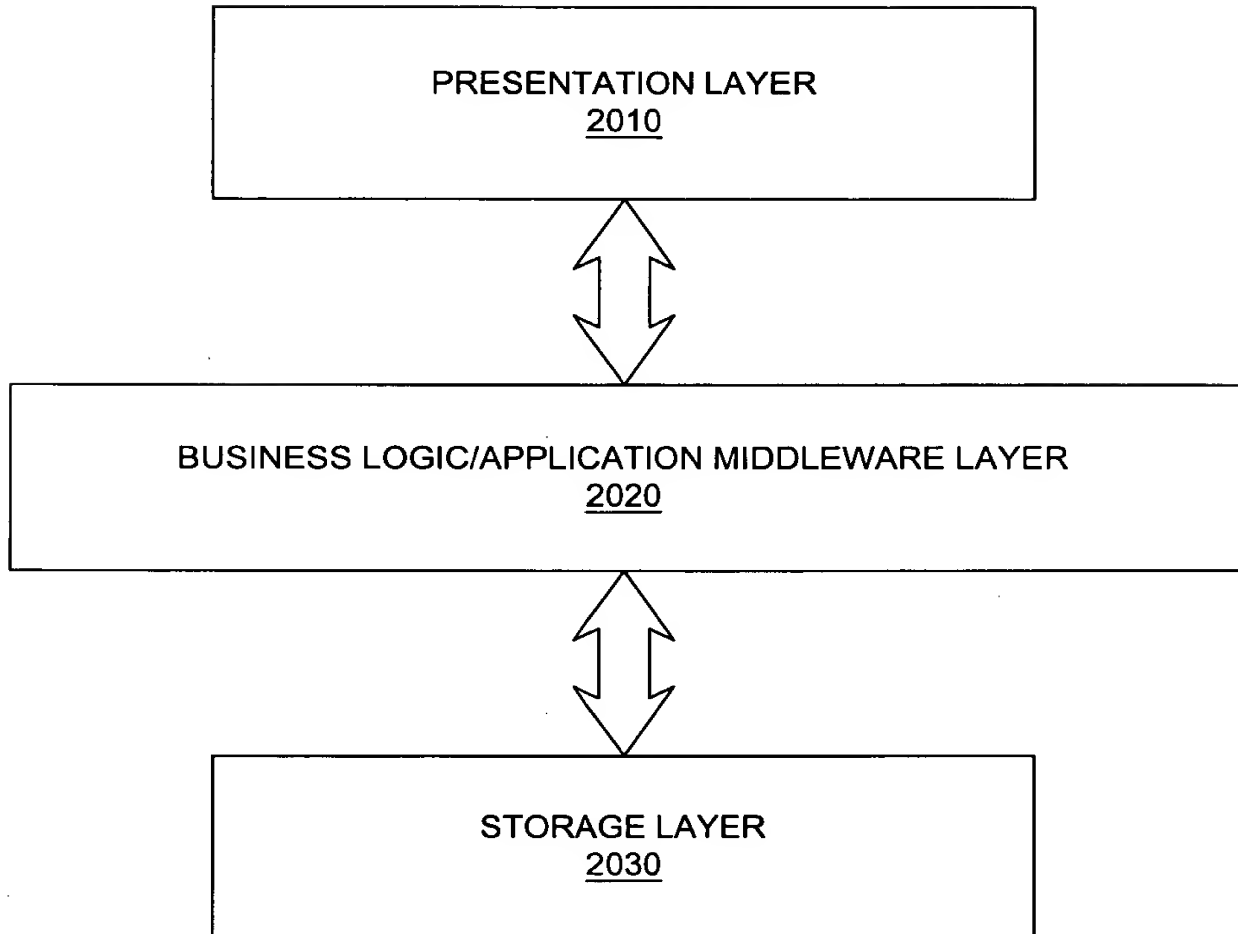


FIG. 20